## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	09/6/3,/70
Source:	1FW16
Date Processed by STIC:	5/9/05
	, ,

## ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 05/09/2005
PATENT APPLICATION: US/09/613,170 TIME: 16:20:18

Input Set : N:\Crf3\RULE60\09613170.raw
Output Set: N:\CRF4\05092005\1613170.raw

```
SEQUENCE LISTING
        (1) GENERAL INFORMATION:
      5
             (i) APPLICANT: Ueda, Tetsufumi
      6
                             Ozkan, Eric D.
      8
            (ii) TITLE OF INVENTION: Compositions And Methods For The
      9
                                      Inhibition Of Neurotransmitter Uptake Of Synaptic
Vesicles
     11
           (iii) NUMBER OF SEQUENCES: 6
     13
            (iv) CORRESPONDENCE ADDRESS:
     14
                   (A) ADDRESSEE: Medlen & Carroll, LLP
     15
                   (B) STREET: 220 Montgomery Street, Suite 2200
     16
                   (C) CITY: San Francisco
     17
                   (D) STATE: California
     18
                   (E) COUNTRY: United States of America
                   (F) ZIP: 94104
     19
     21
             (v) COMPUTER READABLE FORM:
     22
                   (A) MEDIUM TYPE: Floppy disk
     23
                   (B) COMPUTER: IBM PC compatible
                   (C) OPERATING SYSTEM: PC-DOS/MS-DOS
     24
     25
                   (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
     27
            (vi) CURRENT APPLICATION DATA:
C--> 28
                   (A) APPLICATION NUMBER: US/09/613,170
C--> 29
                   (B) FILING DATE: 10-Jul-2000
     30
                   (C) CLASSIFICATION: 514
     32
           (vii) PRIOR APPLICATION DATA:
     33
                   (A) APPLICATION NUMBER: US/08/840,006
     34
                   (B) FILING DATE: 15-APR-1997
     36
          (viii) ATTORNEY/AGENT INFORMATION:
     37
                   (A) NAME: Carroll, Peter G.
     38
                   (B) REGISTRATION NUMBER: 32,837
     39
                   (C) REFERENCE/DOCKET NUMBER: UM-02786
     41
            (ix) TELECOMMUNICATION INFORMATION:
                   (A) TELEPHONE: (415) 705-8410
     42
                   (B) TELEFAX: (415) 397-8338
     43
        (2) INFORMATION FOR SEQ ID NO: 1:
     46
             (i) SEQUENCE CHARACTERISTICS:
     48
                   (A) LENGTH: 10 amino acids
     49
     50
                   (B) TYPE: amino acid
                   (C) STRANDEDNESS: Not Relevant
     51
                   (D) TOPOLOGY: linear
     52
     54
            (ii) MOLECULE TYPE: peptide
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
     59
     61
             Glu Ala Ala Leu Thr Ser Glu Glu Val Gly
                              5
     62
             1
                                                   10
```

Input Set : N:\Crf3\RULE60\09613170.raw
Output Set: N:\CRF4\05092005\1613170.raw

```
(2) INFORMATION FOR SEQ ID NO: 2:
        (i) SEQUENCE CHARACTERISTICS:
66
67
              (A) LENGTH: 5 amino acids
              (B) TYPE: amino acid
68
              (C) STRANDEDNESS: Not Relevant
69
70
              (D) TOPOLOGY: linear
       (ii) MOLECULE TYPE: peptide
72
77
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
79
        Tyr His Arq Phe Lys
80
   (2) INFORMATION FOR SEQ ID NO: 3:
        (i) SEQUENCE CHARACTERISTICS:
84
              (A) LENGTH: 10 amino acids
85
              (B) TYPE: amino acid
86
              (C) STRANDEDNESS: Not Relevant
87
              (D) TOPOLOGY: linear
88
90
       (ii) MOLECULE TYPE: peptide
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
95
97
        Tyr His Arg Phe Lys Glu Leu Ser Thr Leu
                                              10
98
    (2) INFORMATION FOR SEQ ID NO: 4:
100
          (i) SEQUENCE CHARACTERISTICS:
102
103
               (A) LENGTH: 20 amino acids
               (B) TYPE: amino acid
104
               (C) STRANDEDNESS: Not Relevant
105
               (D) TOPOLOGY: linear
106
108
        (ii) MOLECULE TYPE: peptide
113
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
         Tyr His Arg Phe Lys Glu Leu Ser Thr Leu Arg Arg Gln Lys Leu Glu
115
116
                                               10
118
         Asp Ser Tyr Arq
119
                      20
121 (2) INFORMATION FOR SEQ ID NO: 5:
          (i) SEQUENCE CHARACTERISTICS:
123
               (A) LENGTH: 1200 amino acids
124
               (B) TYPE: amino acid
125
               (C) STRANDEDNESS: Not Relevant
126
127
               (D) TOPOLOGY: linear
        (ii) MOLECULE TYPE: peptide
129
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
134
         Met Asp Pro Ser Gly Val Lys Val Leu Glu Thr Ala Glu Asp Ile Gln
136
137
         Glu Arg Arg Gln Gln Val Leu Asp Arg Tyr His Arg Phe Lys Glu Leu
139
140
                                           25
142
         Ser Thr Leu Arg Arg Gln Lys Leu Glu Asp Ser Tyr Arg Phe Gln Phe
143
                                       40
         Phe Gln Arg Asp Ala Glu Glu Leu Glu Lys Trp Ile Gln Glu Lys Leu
145
146
                                   55
148
         Gln Ile Ala Ser Asp Glu Asn Tyr Lys Asp Pro Thr Asn Leu Gln Gly
```

Input Set : N:\Crf3\RULE60\09613170.raw
Output Set: N:\CRF4\05092005\I613170.raw

149	65					70					75					80
151		Leu	Gln	Lys	His		Ala	Phe	Glu	Ala	Glu	Val	Gln	Ala	Asn	
152	-1-			4	85					90					95	
154	Glv	Ala	Ile	Val	Lvs	Leu	asp	Glu	Thr	Gly	Asn	Leu	Met	Ile	Ser	Glu
155	1			100	- 2				105	•				110		
157	Glv	His	Phe	Ala	Ser	Glu	Thr	Ile	Arq	Thr	Arq	Leu	Met	Glu	Leu	His
158			115					120	-				125			
160	Arq	Gln	Trp	Glu	Leu	Leu	Leu	Glu	Lys	Met	Arq	Glu	Lys	Gly	Ile	Lys
161	,	130	•				135		•			140	-	-		•
163	Leu		Gln	Ala	Gln	Asn	Leu	Val	Gln	Tyr	Leu	Arq	Glu	Cys	Glu	Asp
164	145					150				•	155	•		-		160
166	Val	Met	Asp	Trp	Ile	Asn	Asp	Lys	Glu	Ala	Ile	Val	Thr	Ser	Glu	Glu
167			•	-	165		-	-		170					175	
169	Leu	Gly	Gln	Asp	Leu	Glu	His	Val	Glu	Val	Leu	Gln	Lys	Lys	Phe	Glu
170		•		180					185				•	190		
172	Glu	Phe	Gln	Thr	Asp	Met	Ala	Ala	His	Glu	Glu	Arg	Val	Asn	Glu	Val
173			195		•			200				_	205			
175	Asn	Gln	Phe	Ala	Ala	Lys	Leu	Ile	Gln	Glu	Gln	His	Pro	Glu	Glu	Glu
176		210				•	215					220				
178	Leu	Ile	Lys	Thr	Lys	Gln	Asp	Glu	Val	Asn	Ala	Ala	Trp	Gln	Arg	Leu
179	225		-		_	230	_				235		_		_	240
181	Lys	Gly	Leu	Ala	Leu	Gln	Arg	Gln	Gly	Lys	Leu	Phe	Gly	Ala	Ala	Glu
182	_	_			245		_			250					255	
184	Val	Gln	Arg	Phe	Asn	Arg	Asp	Val	Asp	Glu	Thr	Ile	Ser	Trp	Ile	Lys
185				260					265					270		
187	Glu	Lys	Glu	Gln	Leu	Met	Ala	Ser	Asp	Asp	Phe	Gly	Arg	Asp	Leu	Ala
188 .			275					280					285			
190	Ser	Val	Gln	Ala	Leu	Leu	Arg	Lys	His	Glu	Gly	Leu	Glu	Arg	Asp	Leu
191		290					295					300				
193	Ala	Ala	Leu	Glu	Asp	Lys	Val	Lys	Ala	Leu	Cys	Ala	Glu	Ala	Asp	Arg
194	305					310					315					320
196	Leu	Gln	Gln	Ser	His	Pro	Leu	Ser	Ala	Thr	Gln	Ile	Gln	Val	Lys	Arg
197					325					330					335	
199	Glu	Glu	Leu	Ile	Thr	Asn	Trp	Glu	Gln	Ile	Arg	Thr	Leu	Ala	Ala	Glu
200				340					345					350		_
202	Arg	His	Ala	Arg	Leu	Asn	Asp	Ser	Tyr	Arg	Leu	Gln	Arg	Phe	Leu	Ala
203			355					360					365	_		
205	Asp	Phe	Arg	Asp	Leu	Thr	Ser	Trp	Val	Thr	Glu	Met	Lys	Ala	Leu	Ile
206		370					375					380		_		
208		Ala	Asp	Glu	Leu		Ser	Asp	Val	Ala	_	Ala	Glu	Ala	Leu	Leu
209	385					390		_			395	_				400
211	Asp	Arg	His	Gln		His	Lys	Gly	Glu		Asp	Ala	His	Glu		Ser
212				_	405					410				_ •	415	•
214	Phe	Lys	Ser	Ala	Asp	Glu	Ser	Gly		Ala	Leu	Leu	Ala		GIY	Hıs
215	_		_	420	~-		_		425	_	_,		_	430	<b>a</b> 3	<b>~</b> 1
217	Tyr	Ala		Asp	Glu	Val	Arg		Lys	Leu	Thr	Val		Ser	Glu	GIU
218	_		435	_	_	~~	_	440		_	_	_	445	<b>~</b> 3	_	<b>~</b> 3
220	Arg		Ala	Leu	Leu	Glu		Trp	Glu	Leu	Arg		GIn	GIn	Tyr	GIU
221		450					455					460				

Input Set : N:\Crf3\RULE60\09613170.raw
Output Set: N:\CRF4\05092005\I613170.raw

						_										_
223		Cys	Met	Asp	Leu		Leu	Phe	Tyr	Arg	_	Thr	GIu	GIn	Val	
224	465					470					475		_			480
226	Asn	Trp	Met	Ser	_	Gln	Glu	Ala	Phe		Leu	Asn	Glu	Asp		GLY
227					485		_	_		490					495	
229	Asp	Phe	Leu	Asp	Ser	Val	Glu	Ala		Leu	Lys	Lys	His	Glu	Asp	Phe
230				500					505					510		
232	Glu	Lys	Ser	Leu	Ser	Ala	Gln	Glu	Glu	Lys	Ile	Thr	Ala	Leu	Asp	Glu
233			515					520					525			
235	Phe	Ala	Thr	Lys	Leu	Ile	Gln	Asn	Asn	His	Tyr	Ala	Met	Glu	Asp	Val
236		530					535					540				
238	Ala	Thr	Arg	Arg	Asp	Ala	Leu	Leu	Ser	Arg	Arg	Asn	Ala	Leu	His	Glu
239	545					550					555					560
241	Arg	Ala	Met	Arg	Arg	Arg	Ala	Gln	Leu	Ala	Asp	Ser	Phe	His	Leu	Gln
242					565					570					575	
244	Gln	Phe	Phe	Arg	Asp	Ser	Asp	Glu	Leu	Lys	Ser	Trp	Val	Asn	Glu	Lys
245				580					585					590		
247	Met	Lys	Thr	Ala	Thr	Asp	Glu	Ala	Tyr	Lys	Asp	Pro	Ser	Asn	Leu	Gln
248			595					600					605			
250	Gly	Lys	Val	Gln	Lys	His	Gln	Ala	Phe	Glu	Ala	Glu	Leu	Ser	Ala	Asn
251		610					615					620				
253	Gln	Ser	Arg	Ile	Asp	Ala	Leu	Glu	Lys	Ala	Gly	Gln	Lys	Leu	Ile	Asp
254	625					630					635					640
256	Val	Asn	His	Tyr	Ala	Lys	Asp	Glu	Val	Ala	Ala	Arg	Met	Asn	Glu	Val
257	•				645					650					655	
259	Ile	Ser	Leu	Trp	Lys	Lys	Leu	Leu	Glu	Ala	Thr	Glu	Leu	Lys	Gly	Ile
260				660					665					670		
262	Lys	Leu	Arg	Glu	Ala	Asn	Gln	Gln	Gln	Gln	Phe	Asn	Arg	Asn	Val	Glu
263			675					680					685			
265	Asp	Ile	Glu	Leu	Trp	Leu	Tyr	Glu	Val	Glu	Gly	His	Leu	Ala	Ser	Asp
266		690					695					700				
268	Asp	Tyr	Gly	Lys	Asp	Leu	Thr	Asn	Val	Gln	Asn	Leu	Gln	Lys	Lys	His
269	705					710					715					720
271	Ala	Leu	Leu	Glu	Ala	Asp	Val	Ala	Ala	His	Gln	Asp	Arg	Ile	Asp	Gly
272					725					730					735	
274	Val	Thr	Ile	Gln	Ala	Arg	Gln	Phe	Gln	Asp	Ala	Gly	His	Phe	Asp	Ala
275				740					745					750		
277	Glu	Asn	Ile	Lys	Lys	Lys	Gln	Glu	Ala	Leu	Val	Ala	Arg	Tyr	Glu	Ala
278			755					760					765			
280	Leu	Lys	Glu	Pro	Met	Val	Ala	Arg	Lys	Gln	Lys	Leu	Ala	Asp	Ser	Leu
281		770					775					780				
283	Arg	Leu	Gln	Gln	Leu	Phe	Arg	Asp	Val	Glu	Asp	Glu	Glu	Thr	Trp	Ile
284	785					790					795					800
286	Arg	Glu	Lys	Glu	Pro	Ile	Ala	Ala	Ser	Thr	Asn	Arg	Gly	Lys	Asp	Leu
287					805					810					815	
289	Ile	Gly	Val	Gln	Asn	Leu	Leu	Lys	Lys	His	Gln	Ala	Leu	Gln	Ala	Glu
290				820					825					830		
292	Ile	Ala	Gly	His	Glu	Pro	Arg	Ile	Lys	Ala	Val	Thr	Gln	Lys	Gly	Asn
293			835					840					845			
295	Ala	Met	Val	Glu	Glu	Gly	His	Phe	Ala	Ala	Glu	Asp	Val	Lys	Ala	Lys

Input Set : N:\Crf3\RULE60\09613170.raw
Output Set: N:\CRF4\05092005\I613170.raw

296			850					855					860				
298		Leu	His	Glu	Leu	Asn	Gln	Lys	Trp	Glu	Ala	Leu	Lys	Ala	Lys	Ala	Ser
299		865					870	-	_			875					880
301		Gln	Arg	Arg	Gln	Asp	Leu	Glu	Asp	Ser	Leu	Gln	Ala	Gln	Gln	Tyr	Phe
302			_	_		885			_		890					895	
304		Ala	Asp	Ala	Asn	Glu	Ala	Glu	Ser	Trp	Met	Arg	Glu	Lys	Glu	Pro	Ile
305			-		900					905		_		-	910		
307		Val	Gly	Ser	Thr	Asp	Tyr	Gly	Lys	Asp	Glu	Asp	Ser	Ala	Glu	Ala	Leu
308			-	915		_	-	_	920	_				925			
310		Leu	Lys	Lys	His	Glu	Ala	Leu	Met	Ser	Asp	Leu	Ser	Ala	Tyr	Gly	Ser
311			930					935					940				
313		Ser	Ile	Gln	Ala	Leu	Arg	Glu	Gln	Ala	Gln	Ser	Cys	Arg	Gln	Gln	Val
314		945					950					955					960
316		Ala	Pro	Thr	Asp	Asp	Glu	Thr	Gly	Lys	Glu	Leu	Val	Leu	Ala	Leu	Tyr
317						965					970					975	
319		Asp	Tyr	Gln	Glu	Lys	Ser	Pro	Arg	Glu	Val	Thr	Met	Lys	Lys	Gly	Asp
320					980					985					990		
322		Ile	Leu	Thr	Leu	Leu	Asn	Ser	Thr	Asn	Lys	Asp	Trp	Trp	Lys	Val	Glu
323				995					1000	)				100	5		
325		Val	Asn	Asp	Arg	Gln	Gly	Phe	Val	Pro	Ala	Ala	Tyr	Val	Lys	Lys	Leu
326			101	0				101	5				102	כ			
328		Asp	Pro	Ala	Gln	Ser	Ala	Ser	Arg	Glu	Asn	Leu	Leu	Glu	Glu	Gln	Gly
329		102					103					103					1040
331		Ser	Ile	Ala	Leu	Arg	Gln	Glu	Gln	Ile	Asp	Asn	Gln	Thr	Arg	Ile	Thr
332						104	5				1050	`				1055	=
J J Z						101.	,				105	,				105.	,
334		Lys	Glu	Ala	Gly			Ser	Leu	Arg			Gln	Val	Glu		
		_			106	Ser O	Val			1069	Met 5	Lys			107	Glu O	Leu
334		_		Ala Ser	106	Ser O	Val		Gly	1069 Glu	Met 5	Lys		Gly	1070 Met	Glu O	Leu
334 335		Tyr	His	Ser 107	1060 Leu 5	Ser 0 Leu	Val Glu	Leu	Gly 1080	1069 Glu O	Met 5 Lys	Lys Arg	Lys	Gly 108	1070 Met	Glu ) Leu	Leu Glu
334 335 337		Tyr	His	Ser	1060 Leu 5	Ser 0 Leu	Val Glu	Leu Met	Gly 1080 Leu	1069 Glu O	Met 5 Lys	Lys Arg	Lys Ala	Gly 1089 Asn	1070 Met	Glu ) Leu	Leu Glu
334 335 337 338		Tyr Lys	His Ser	Ser 107! Cys	1060 Leu 5 Lys	Ser 0 Leu Lys	Val Glu Phe	Leu Met 109	Gly 1080 Leu	1069 Glu D Phe	Met 5 Lys Arg	Lys Arg Glu	Lys Ala 110	Gly 1089 Asn	1070 Met 5 Glu	Glu ) Leu Leu	Leu Glu Gln
334 335 337 338 340 341 343		Tyr Lys Gln	His Ser 109	Ser 1079 Cys	1060 Leu 5 Lys	Ser 0 Leu Lys	Val Glu Phe Lys	Leu Met 1099 Glu	Gly 1080 Leu	1069 Glu D Phe	Met 5 Lys Arg	Lys Arg Glu Thr	Lys Ala 110 Ser	Gly 1089 Asn	1070 Met 5 Glu	Glu ) Leu Leu	Leu Glu Gln Gly
334 335 337 338 340 341 343 344		Tyr Lys Gln 110	His Ser 109 Trp	Ser 1079 Cys O Ile	1066 Leu Lys Lys	Ser 0 Leu Lys Glu	Val Glu Phe Lys	Leu Met 1099 Glu	Gly 1080 Leu 5 Ala	1069 Glu Phe Ala	Met 5 Lys Arg Leu	Lys Arg Glu Thr	Lys Ala 110 Ser	Gly 1089 Asn O Glu	1070 Met 5 Glu Glu	Glu D Leu Leu Val	Leu Glu Gln Gly 1120
334 335 337 338 340 341 343 344 346		Tyr Lys Gln 110	His Ser 109 Trp	Ser 107! Cys	1066 Leu Lys Lys	Ser  Leu  Lys  Glu  Gln	Val Glu Phe Lys 1110 Val	Leu Met 1099 Glu	Gly 1080 Leu 5 Ala	1069 Glu Phe Ala	Met 5 Lys Arg Leu Gln	Lys Arg Glu Thr 1111	Lys Ala 110 Ser	Gly 1089 Asn O Glu	1070 Met 5 Glu Glu	Glu Leu Leu Val	Glu Gln Gly 1120 Phe
334 335 337 338 340 341 343 344 346 347		Tyr Lys Gln 1109 Ala	His Ser 109 Trp 5 Asp	Ser 1079 Cys O Ile Leu	1060 Leu Lys Asn	Ser  Leu  Lys  Glu  Gln  112	Val Glu Phe Lys 1110 Val	Leu Met 1099 Glu O Glu	Gly 1080 Leu Ala Val	1069 Glu Phe Ala Leu	Met 5 Lys Arg Leu Gln 113	Lys Arg Glu Thr 1111	Lys Ala 110 Ser 5 Lys	Gly 1089 Asn O Glu Phe	1070 Met 5 Glu Glu Asp	Glu Leu Leu Val Asp 113!	Glu Gln Gly 1120 Phe
334 335 337 338 340 341 343 344 346 347 349		Tyr Lys Gln 1109 Ala	His Ser 109 Trp 5 Asp	Ser 1079 Cys O Ile	1060 Leu Lys Asn Glu Leu	Ser  Leu  Lys  Glu  Gln  1129  Lys	Val Glu Phe Lys 1110 Val	Leu Met 1099 Glu O Glu	Gly 1080 Leu Ala Val	1069 Glu Phe Ala Leu Ser	Met 5 Lys Arg Leu Gln 1130 Arg	Lys Arg Glu Thr 1111	Lys Ala 110 Ser 5 Lys	Gly 1089 Asn O Glu Phe	1070 Met 5 Glu Glu Asp	Glu Leu Leu Val Asp 113!	Glu Gln Gly 1120 Phe
334 335 337 338 340 341 343 344 346 347 349 350		Tyr Lys Gln 1100 Ala Gln	His Ser 109 Trp Asp	Ser 1079 Cys O Ile Leu	Leu Lys Asn Glu Leu 114	Ser  Leu  Lys  Glu  Gln  112: Lys	Val Glu Phe Lys 1110 Val Ala	Leu Met 1099 Glu Glu Asn	Gly 1080 Leu Ala Val	Phe Ala Leu Ser	Met 5 Lys Arg Leu Gln 1130 Arg 5	Arg Glu Thr 1111 Lys Lys	Lys Ala 1100 Ser Lys Lys	Gly 1089 Asn Glu Phe Asp	Glu Glu Asp Ile	Glu Leu Leu Val Asp 113! Asn	Glu Gln Gly 1120 Phe 5
334 335 337 338 340 341 343 344 346 347 349 350 352		Tyr Lys Gln 1100 Ala Gln	His Ser 109 Trp Asp	Ser 1079 Cys O Ile Leu Asp	Leu Lys Asn Glu Leu 114 Asp	Ser  Leu  Lys  Glu  Gln  112: Lys	Val Glu Phe Lys 1110 Val Ala	Leu Met 1099 Glu Glu Asn	Gly 1080 Leu Ala Val Glu	Phe Ala Leu Ser 114!	Met 5 Lys Arg Leu Gln 1130 Arg 5	Arg Glu Thr 1111 Lys Lys	Lys Ala 1100 Ser Lys Lys	Gly 1089 Asn Glu Phe Asp	Glu Asp Ile Glu Glu	Glu Leu Leu Val Asp 113! Asn	Glu Gln Gly 1120 Phe 5
334 335 337 338 340 341 343 344 346 347 349 350 352 353		Tyr Lys Gln 110 Ala Gln Val	His Ser 109 Trp 5 Asp Lys	Ser 1079 Cys 0 Ile Leu Asp Glu 1159	Leu  Lys  Asn  Glu  Leu  114  Asp	Ser Leu Lys Glu Gln 1129 Lys 0	Val Glu Phe Lys 1110 Val Ala Glu	Met 1099 Glu Glu Asn Ser	Gly 1080 Leu Ala Val Glu Glu 1160	Phe Ala Leu Ser 114!	Met 5 Lys Arg Leu Gln 1130 Arg 5	Lys Arg Glu Thr 111: Lys Lys Leu Met	Lys Ala 1100 Ser Lys Lys Ala	Gly 108: Asn Glu Phe Asp Glu 116:	Glu Asp Ile Glu Glu	Glu Leu Leu Val Asp 113! Asn Val	Glu Gln Gly 1120 Phe Lys Gln
334 335 337 338 340 341 343 344 346 347 349 350 352 353 355		Tyr Lys Gln 110 Ala Gln Val	His Ser 1099 Trp Asp Lys Ala Val	Ser 1079 Cys 0 Ile Leu Asp Glu 1159 Gln	Leu  Lys  Asn  Glu  Leu  114  Asp	Ser Leu Lys Glu Gln 1129 Lys 0	Val Glu Phe Lys 1110 Val Ala Glu	Met 1099 Glu Glu Asn Ser	Gly 1080 Leu 5 Ala Val Glu Glu 1160 Tyr	Phe Ala Leu Ser 114!	Met 5 Lys Arg Leu Gln 1130 Arg 5	Lys Arg Glu Thr 111: Lys Lys Leu Met	Lys Ala 1100 Ser Lys Lys Ala Pro	Gly 1089 Asn Glu Phe Asp Glu 1169 Arg	Glu Asp Ile Glu Glu	Glu Leu Leu Val Asp 113! Asn Val	Glu Gln Gly 1120 Phe Lys Gln
334 335 337 338 340 341 343 344 346 347 349 350 352 353 355 356		Tyr Lys Gln 1109 Ala Gln Val	His Ser 1090 Trp 5 Asp Lys Ala Val	Ser 1079 Cys 0 Ile Leu Asp Glu 1159 Gln	Leu Lys Asn Glu Leu 114 Asp Gln	Ser Leu Lys Glu Gln 112: Lys Lys Color Leu Gln	Val Glu Phe Lys 1110 Val Ala Glu Glu	Met 1099 Glu Glu Asn Ser Val	Gly 1080 Leu 5 Ala Val Glu 1160 Tyr	Phe Ala Leu Ser 114! Gly Gly	Met 5 Lys Arg Leu Gln 1130 Arg 5 Leu Met	Arg Glu Thr 111: Lys Leu Met	Lys Ala 1100 Ser Lys Lys Ala Pro 1180	Gly 1089 Asn Glu Phe Asp Glu 1169 Arg	Glu Asp Ile 1150 Glu Asp Asp Asp	Glu Leu Val Asp 113! Asn Val Glu	Glu Gln Gly 1120 Phe Lys Gln Thr
334 335 337 338 340 341 343 344 346 347 350 352 353 355 356 358		Tyr Lys Gln 1100 Ala Gln Val Ala Asp	His Ser 1090 Trp 5 Asp Lys Ala Val 1170 Ser	Ser 1079 Cys 0 Ile Leu Asp Glu 1159 Gln	Leu Lys Asn Glu Leu 114 Asp Gln	Ser Leu Lys Glu Gln 112: Lys Lys Color Leu Gln	Val Glu Phe Lys 1110 Val Ala Glu Glu Ser	Met 1099 Glu Glu Asn Ser Val 1179 Pro	Gly 1080 Leu 5 Ala Val Glu 1160 Tyr	Phe Ala Leu Ser 114! Gly Gly	Met 5 Lys Arg Leu Gln 1130 Arg 5 Leu Met	Arg Glu Thr 1111 Lys Leu Met Met Ala	Lys Ala 1100 Ser Lys Lys Ala Pro 1180 Arg	Gly 1089 Asn Glu Phe Asp Glu 1169 Arg	Glu Asp Ile 1150 Glu Asp Asp Asp	Glu Leu Val Asp 113! Asn Val Glu	Glu Gln Gly 1120 Phe Lys Gln Thr
334 335 337 338 340 341 343 344 346 347 350 355 356 358 358 359		Tyr Lys Gln 1100 Ala Gln Val Ala Asp 118	His Ser 1090 Trp Asp Lys Ala Val 1170 Ser	Ser 1079 Cys 0 Ile Leu Asp Glu 1159 Gln 0	Leu Lys Asn Glu Leu 114 Asp Gln Thr	Ser Leu Lys Glu Gln 112: Lys Cheu Gln Ala	Val Glu Phe Lys 1110 Val Ala Glu Glu Ser 1190	Met 1099 Glu Glu Asn Ser Val 1179 Pro	Gly 1086 Leu 5 Ala Val Glu 1166 Tyr 5	Phe Ala Leu Ser 114! Gly Gly	Met 5 Lys Arg Leu Gln 1130 Arg 5 Leu Met	Arg Glu Thr 111: Lys Leu Met	Lys Ala 1100 Ser Lys Lys Ala Pro 1180 Arg	Gly 1089 Asn Glu Phe Asp Glu 1169 Arg	Glu Asp Ile 1150 Glu Asp Asp Asp	Glu Leu Val Asp 113! Asn Val Glu	Glu Gln Gly 1120 Phe Lys Gln Thr
334 335 337 338 340 341 343 344 346 347 350 352 353 355 356 358 359 362	(2)	Tyr Lys Gln 1100 Ala Gln Val Ala Asp 118 INFO	His Ser 1099 Trp 5 Asp Lys Ala Val 1179 Ser 5	Ser 1079 Cys 0 Ile Leu Asp Glu 1159 Gln 0 Lys	Leu Lys Asn Glu Leu 114 Asp Gln Thr	Ser Leu Lys Glu Gln 112: Lys Clu Gln Ala	Val Glu Phe Lys 1110 Val Glu Glu Ser 1190 ID No	Met 1099 Glu Glu Asn Ser Val 1179 Pro	Gly 1086 Leu 5 Ala Val Glu 1166 Tyr 5 Trp	Phe Ala Leu Ser 114! Gly Gly	Met 5 Lys Arg Leu Gln 1130 Arg 5 Leu Met	Arg Glu Thr 1111 Lys Leu Met Met Ala	Lys Ala 1100 Ser Lys Lys Ala Pro 1180 Arg	Gly 1089 Asn Glu Phe Asp Glu 1169 Arg	Glu Asp Ile 1150 Glu Asp Asp Asp	Glu Leu Val Asp 113! Asn Val Glu	Glu Gln Gly 1120 Phe Lys Gln Thr
334 335 337 338 340 341 343 344 346 347 350 352 353 355 356 358 359 362 364	(2)	Tyr Lys Gln 1100 Ala Gln Val Ala Asp 118 INFO	His Ser 1090 Trp 5 Asp Lys Ala Val 1170 Ser 5 RMAT:	Ser 1079 Cys 0 Ile Leu Asp Glu 1159 Gln 0 Lys	Leu Lys Asn Glu Leu 114 Asp Gln Thr	Ser  Leu  Lys  Glu  Gln  112: Lys  Cln  Ala  SEQ  ARAC	Val Glu Phe Lys 1110 Val Sal Glu Ser 1190 ID NOTERIS	Met 1099 Glu Glu Asn Ser Val 1179 Pro 000	Gly 1080 Leu 5 Ala Val Glu 1160 Tyr 5 Trp	Phe Ala Leu Ser 114: Gly Gly Lys	Met 5 Lys Arg Leu Gln 1130 Arg 5 Leu Met	Arg Glu Thr 1111 Lys Leu Met Met Ala	Lys Ala 1100 Ser Lys Lys Ala Pro 1180 Arg	Gly 1089 Asn Glu Phe Asp Glu 1169 Arg	Glu Asp Ile 1150 Glu Asp Asp Asp	Glu Leu Val Asp 113! Asn Val Glu	Glu Gln Gly 1120 Phe Lys Gln Thr
334 335 337 338 340 341 343 344 346 347 350 352 353 355 356 358 362 364 365	(2)	Tyr Lys Gln 1100 Ala Gln Val Ala Asp 118 INFO	His Ser 1090 Trp 5 Asp Lys Ala Val 1170 Ser 5 RMAT: SEQU (A	Ser 1079 Cys 0 Ile Leu Asp Glu 1159 Gln 0 Lys ION 1	Leu Lys Asn Glu Leu 114 Asp Gln Thr FOR	Ser  Leu  Lys  Glu  Gln  112: Lys  Cln  Ala  SEQ  ARAC  : 11:	Val Glu Phe Lys 1110 Val 5 Ala Glu Ser 1190 ID NOTERIS	Met 1099 Glu Glu Asn Ser Val 1179 Pro 0 O: 6 STICS	Gly 1080 Leu 5 Ala Val Glu 1160 Tyr 5 Trp	Phe Ala Leu Ser 114: Gly Gly Lys	Met 5 Lys Arg Leu Gln 1130 Arg 5 Leu Met	Arg Glu Thr 1111 Lys Leu Met Met Ala	Lys Ala 1100 Ser Lys Lys Ala Pro 1180 Arg	Gly 1089 Asn Glu Phe Asp Glu 1169 Arg	Glu Asp Ile 1150 Glu Asp Asp Asp	Glu Leu Val Asp 113! Asn Val Glu	Glu Gln Gly 1120 Phe Lys Gln Thr
334 335 337 338 340 341 343 344 346 347 350 352 353 355 358 359 362 364 365 366	(2)	Tyr Lys Gln 1100 Ala Gln Val Ala Asp 118 INFO	His Ser 1090 Trp 5 Asp Lys Ala Val 1170 Ser 5 RMAT: SEQU (A	Ser 1079 Cys 0 Ile Leu Asp Glu 1159 Gln 0 Lys ION DUENCI ) LEI	Leu Leu Leu 114 Asp Gln Thr FOR E CHL	Ser  Leu  Lys  Glu  Gln  112: Lys  Cln  Ala  SEQ  ARAC  : 11: amino	Val Glu Phe Lys 1110 Val Sal Glu Glu Ser 1190 ID NO TERIS	Met 1099 Glu Glu Asn Ser Val 1179 Pro 0 O: 6 STICS	Gly 1080 Leu 5 Ala Val Glu 1160 Tyr 5 Trp	1069 Glu Phe Ala Leu Ser 1149 Gly Gly Lys	Met 5 Lys Arg Leu Gln 1130 Arg 5 Leu Met	Arg Glu Thr 1111 Lys Leu Met Met Ala	Lys Ala 1100 Ser Lys Lys Ala Pro 1180 Arg	Gly 1089 Asn Glu Phe Asp Glu 1169 Arg	Glu Asp Ile 1150 Glu Asp Asp Asp	Glu Leu Val Asp 113! Asn Val Glu	Glu Gln Gly 1120 Phe Lys Gln Thr
334 335 337 338 340 341 343 344 346 347 350 352 353 355 356 358 362 364 365	(2)	Tyr Lys Gln 1100 Ala Gln Val Ala Asp 118 INFO	His Ser 1099 Trp 5 Asp Lys Ala Val 1177 Ser 5 RMAT SEQI (A (B)	Ser 1079 Cys 0 Ile Leu Asp Glu 1159 Gln 0 Lys ION 1	Leu Leu Leu Leu 114 Asp Gln Thr FOR E CHL	Ser  Leu  Lys  Glu  Gln  112: Lys  Cln  Ala  SEQ  ARAC  : 11: amine EDNE:	Val Glu Phe Lys 1110 Val Glu Glu Ser 1190 ID NO TERIS 51 at 52 ac:	Met 1099 Glu O Glu Asn Ser Val 1179 Pro O C: 6 STICS mino id Not 1	Gly 1080 Leu 5 Ala Val Glu 1160 Tyr 5 Trp	1069 Glu Phe Ala Leu Ser 1149 Gly Gly Lys	Met 5 Lys Arg Leu Gln 1130 Arg 5 Leu Met	Arg Glu Thr 1111 Lys Leu Met Met Ala	Lys Ala 1100 Ser Lys Lys Ala Pro 1180 Arg	Gly 1089 Asn Glu Phe Asp Glu 1169 Arg	Glu Asp Ile 1150 Glu Asp Asp Asp	Glu Leu Val Asp 113! Asn Val Glu	Glu Gln Gly 1120 Phe Lys Gln Thr

VERIFICATION SUMMARY

DATE: 05/09/2005

PATENT APPLICATION: US/09/613,170

TIME: 16:20:19

Input Set : N:\Crf3\RULE60\09613170.raw
Output Set: N:\CRF4\05092005\I613170.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]